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ABSTRACT

One of the working papers in the final report of the Arizona Board of Regents' Task Force on Excellence, Efficiency and Competitiveness, this report presents statistical information on the progress of minority student access and persistence in the three Arizona Universities, Arizona's community colleges, and the Arizona Department of Education. Statistics for the colleges include headcount enrollment by ethnicity, bachelor's degrees awarded by ethnicity, student financial assistance, ethnic student financial assistance, faculty by ethnicity, new undergraduate students (withdrawals, persistence, and graduation), full-time student enrollment, student credit hours enrolled, enrollment by ethnic background by county, academic degrees by county, and headcount enrollment by age distribution. Arizona Department of Education statistics include language census and program report (primary home language), percentile rank in reading comprehension, reading comprehension subtest results by primary home language, Limited English Proficient (LEP) programs, summary of participation by school districts, and standardized test scores. (SM)

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PROGRESS REPORT: ACCESS AND PERSISTENCE OF MINORITY STUDENTS IN THE ARIZONA UNIVERSITIES

ED306795

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ASSISTED BY
VINETTE COWART, JOHN J. WOOD AND NORMANDO DEHALLE

Augustus S. Cotera is currently serving as Associate to the President, Executive Director of NAYuma. He was Assistant to the President at Northern Arizona University from 1980-1987 and has been a Professor of Geology at Northern Arizona University since 1970. He also served as Professor of Geology at Allegheny College Meadville, Pennsylvania.

Vinette Cowart is a graduate research associate at Arizona State University working on a PhD in Higher Education. Prior to coming to ASU in 1986, she was Program Coordinator of minority programs in the College of Engineering at the University of Alabama in Birmingham and Assistant Director of Admissions and Acting Director of Enrollment Management at Oregon Institute of Technology. Since beginning her doctoral work at ASU, she has worked with the College of Education and the Hispanic Mother Daughter Program. She also holds certification as a rehabilitation counselor and as an elementary teacher.

John J. Wood is a professor at Northern Arizona University where he has been teaching antthropology for 22 years. He is a cultural anthropologist with a decade of applied research experience with the Navajo in northern Arizona. He was a member of the Arizona Universities' Study Group on Minority Student Recruitment and Retention, has served as the chair of the Affirmative Action Committee at Northern Arizona University, and has been involved in policy research and evaluation of minority affairs in Arizona universities for the past eight years. His recent publications deal with the impacts of Navajo livestock reduction, and land and religion in Navajo culture.

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THE ARIZONA UNIVERSITIES

THE ARIZONA UNIVERSITIES

Headcount Enrollment by Ethnic Distribution

Bachelor Degrees Awarded by Ethnicity

Student Financial Assistance - Total Awards by Ethnicity for

ASU
NAU
UA

Ethnic Student Financial Assistance

Faculty (ASU, NAU, UA) 1982 - 1987

Total
Hispanic
Black
Indian
Asian

New Undergraduate Students - Withdrawals, Persistence,

Graduation and Summary

ASU
NAU

THE ARIZONA UNIVERSITIES
Headcount Enrollment by Ethnic Distribution
Fall 1984 - Fall 1987

Univ	Hisp	Black	Indian	Asian	Total Mnrty	Total Non Minority	Grand Total
			Fall 1984, Spring 1985, Summer 1985				
NAU	1841	481	2336	430	5088	26233	31321
ASU	4511	1958	1219	2168	9856	82401	92257
U-A	5284	1132	629	1520	8565	49302	57867
			Fall 1984				
NAU	740	189	696	130	1755	10430	11126
ASU	1863	819	472	874	4028	35073	39101
U-A	1946	406	241	549	3142	18995	22137
			Fall 1985				
NAU	767	208	698	76	1749	10328	12077
ASU	1914	838	440	894	4086	34836	38922
U-A	2274	508	262	813	3857	22438	26295
			Fall 1986				
NAU	749	204	797	84	1834	10861	12695
ASU	2063	860	430	1012	4365	35453	39818
U-A	2191	463	260	716	3630	22451	26081
			Fall 1987				
NAU	794	174	742	86	1796	11128	12924
ASU	2101	872	480	1076	4529	36525	41054
U-A	2198	482	276	828	3784	23751	27535
			FOUR YEAR MEANS - FALL 1984-87				
NAU	762	194	733	94	1783	10687	12205
ASU	1985	847	455	964	4252	35472	39724
U-A	2152	465	260	726	3603	21909	25512

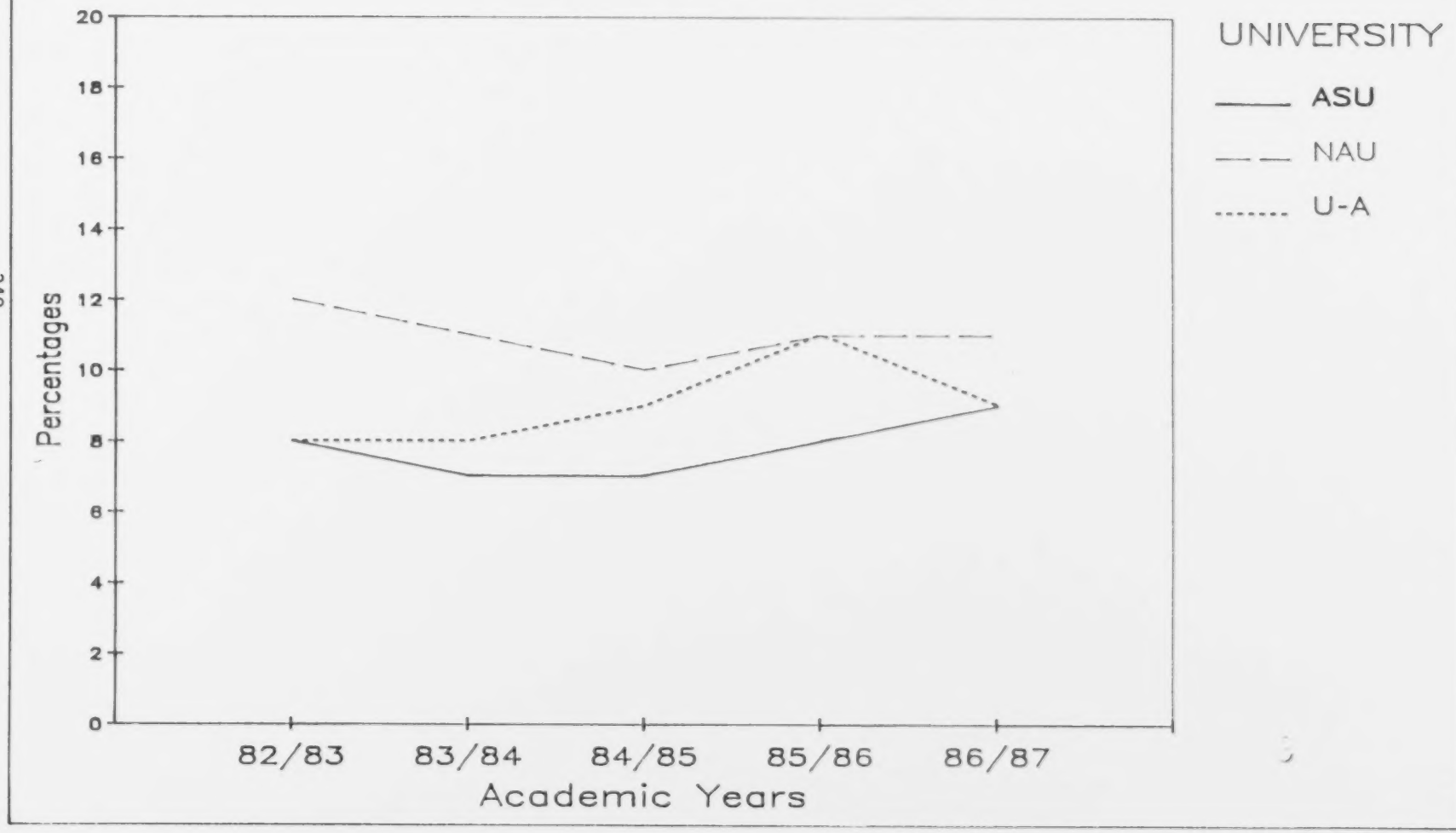
THE ARIZONA UNIVERSITIES
Bachelor Degrees Awarded By Ethnicity
1982/83 - 1986/87

Yr	Indian #	Indian %	Asian #	Asian %	Black #	Black %	Hisp #	Hisp %	Total Minority #	Total Minority %	Total Non Minority #	Total Non Minority %	Grand Total	Unv
82	35	0.7	91	1.8	78	1.6	176	3.6	380	7.7	4544	92.3	4924	ASU
--	71	4.2	22	1.3	22	1.3	88	5.2	203	12.1	1481	87.9	1684	NAU
83	31	0.8	37	0.9	54	1.4	177	4.6	299	7.7	3572	92.3	3871	U-A
83	24	0.5	105	2.2	57	1.2	153	3.1	339	7.0	4534	93.0	4873	ASU
--	56	3.4	23	1.4	18	1.1	91	5.5	188	11.4	1469	88.6	1657	NAU
84	23	0.6	48	1.3	39	1.0	205	5.4	315	8.4	3453	91.6	3768	U-A
84	36	0.7	86	1.7	65	1.3	162	3.2	349	6.9	4681	93.1	5030	ASU
--	48	2.8	21	1.2	23	1.3	86	5.0	178	10.4	1531	89.6	1709	NAU
85	28	0.8	57	1.5	32	0.8	205	5.5	322	8.7	3400	91.3	3722	U-A
85	37	0.7	98	2.0	75	1.5	206	4.1	416	8.3	4582	91.7	4998	ASU
--	62	4.0	14	0.9	14	0.9	82	5.3	172	11.2	1367	88.8	1539	NAU
86	27	0.8	89	2.6	45	1.3	215	6.2	376	10.8	3105	89.2	3481	U-A
86	38	0.7	102	1.9	75	1.4	246	4.7	461	8.7	4815	91.3	5276	ASU
--	54	3.6	5	0.3	12	0.8	88	5.8	159	10.5	1362	89.5	1521	NAU
87	13	0.4	52	1.4	39	1.1	228	6.2	332	9.1	3320	90.9	3652	U-A

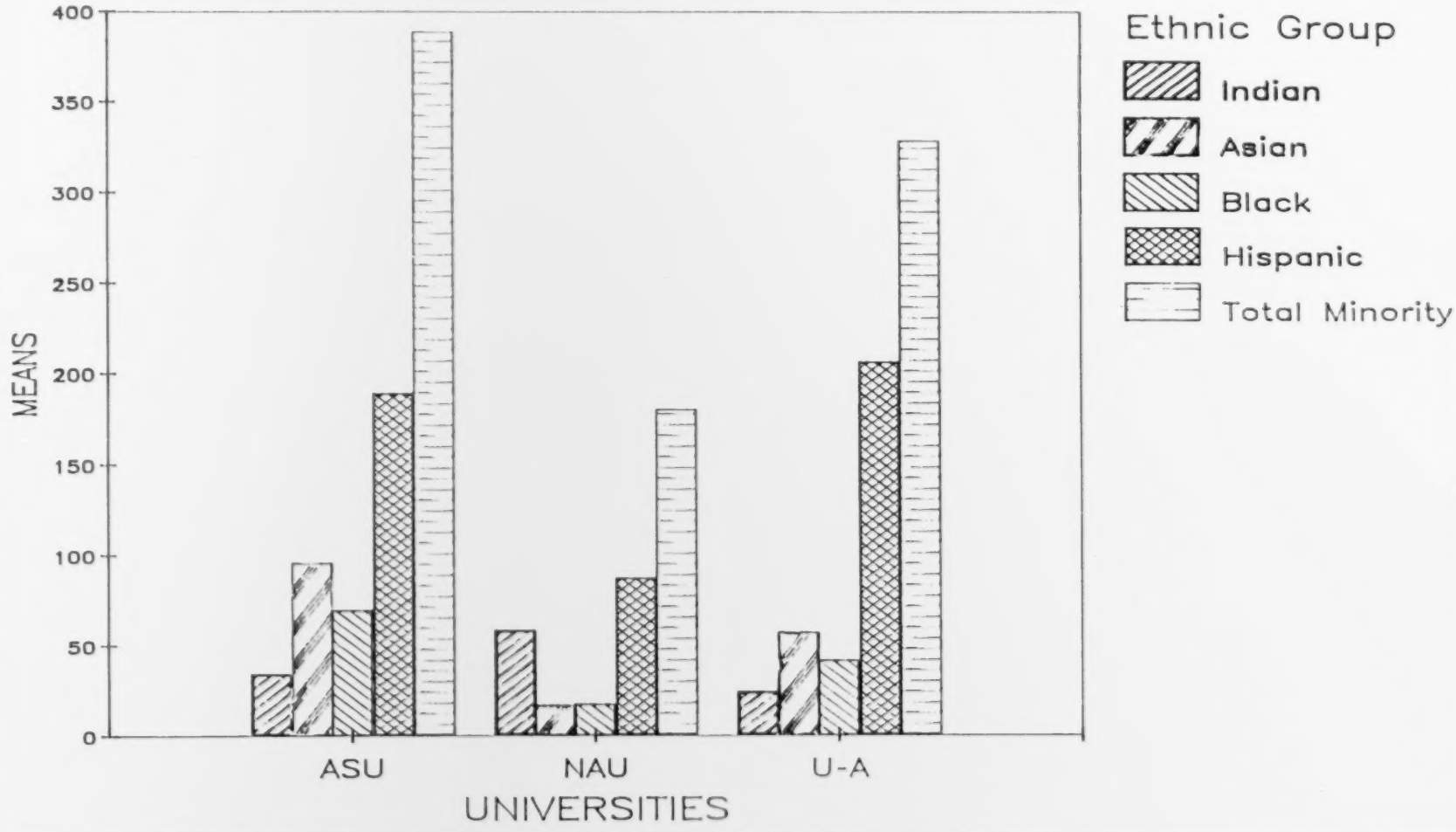
FIVE YEAR MEANS AND STANDARD DEVIATIONS

	Indian $\bar{x}$	Indian σ	Asian $\bar{x}$	Asian σ	Black $\bar{x}$	Black σ	Hisp $\bar{x}$	Hisp σ	Total Mnrty $\bar{x}$	Total Mnrty σ	Total Non Mnrty $\bar{x}$	Total Non Mnrty σ	Grand Total $\bar{x}$	Grand Total σ
ASU	34	6	96	8	70	9	189	38	389	50	4631	118	5020	156
NAU	58	9	17	8	18	5	87	3	180	16	1442	74	1622	86
U-A	24	7	57	20	42	8	206	19	329	29	3370	174	3699	145

THE ARIZONA UNIVERSITIES
Bachelor Degrees Awarded
Total Minority
1982/83 - 1986/87



THE ARIZONA UNIVERSITIES
Bachelor Degrees Awarded by Ethnicity
Five Year Mean
1982/83 - 1986/87



THE ARIZONA UNIVERSITIES
Student Financial Assistance
Total Awards By Ethnicity
Arizona State University

Typ	Year	Hisp	Black	Indian	Asian	Total Mnrty	Total Non-Mnrty	Grand Total
Sch	84-85	454	245	137	193	1029	4113	5142
	%	9	5	3	4	20	80	
	85-86	634	273	225	155	1287	5001	6288
	%	10	4	4	3	20	80	
	86-87	732	331	221	198	1482	5370	6852
	%	11	5	3	3	22	78	
Grn	84-85	595	310	204	319	1428	5984	7412
	%	8	4	3	4	19	81	
	85-86	598	339	293	211	1441	5824	7265
	%	8	5	4	3	20	80	
	86-87	598	347	336	228	1509	5302	6811
	%	9	5	5	3	22	78	
Lon	84-85	638	418	235	158	1449	8594	10043
	%	6	4	2	2	14	86	
	85-86	671	435	156	231	1493	8579	10072
	%	7	4	2	3	15	85	
	86-87	640	389	157	236	1422	7310	8732
	%	7	4	2	3	16	84	
Emp	84-85	401	179	138	80	798	4478	5276
	%	7	4	3	1	15	85	
	85-86	439	192	96	207	934	5196	6130
	%	7	3	2	3	15	85	
	86-87	346	173	83	171	773	4427	5200
	%	7	3	2	3	15	85	
Tot	84-85	2088	1152	714	741	4695	23169	27864
	%	7	4	3	3	17	83	
	85-86	2342	1239	770	804	5155	24600	29755
	%	8	4	3	3	17	83	
	86-87	2316	1240	797	833	5186	22409	27595
	%	8	4	3	3	19	81	
Und	84-85	1142	632	440	411	2625	14763	17388
	%	7	4	2	2	15	85	
	85-86	1149	612	411	453	2625	15817	18442
	%	6	3	2	2	14	86	
	86-87	1322	649	457	504	2932	14409	17341
	%	8	4	3	3	17	83	

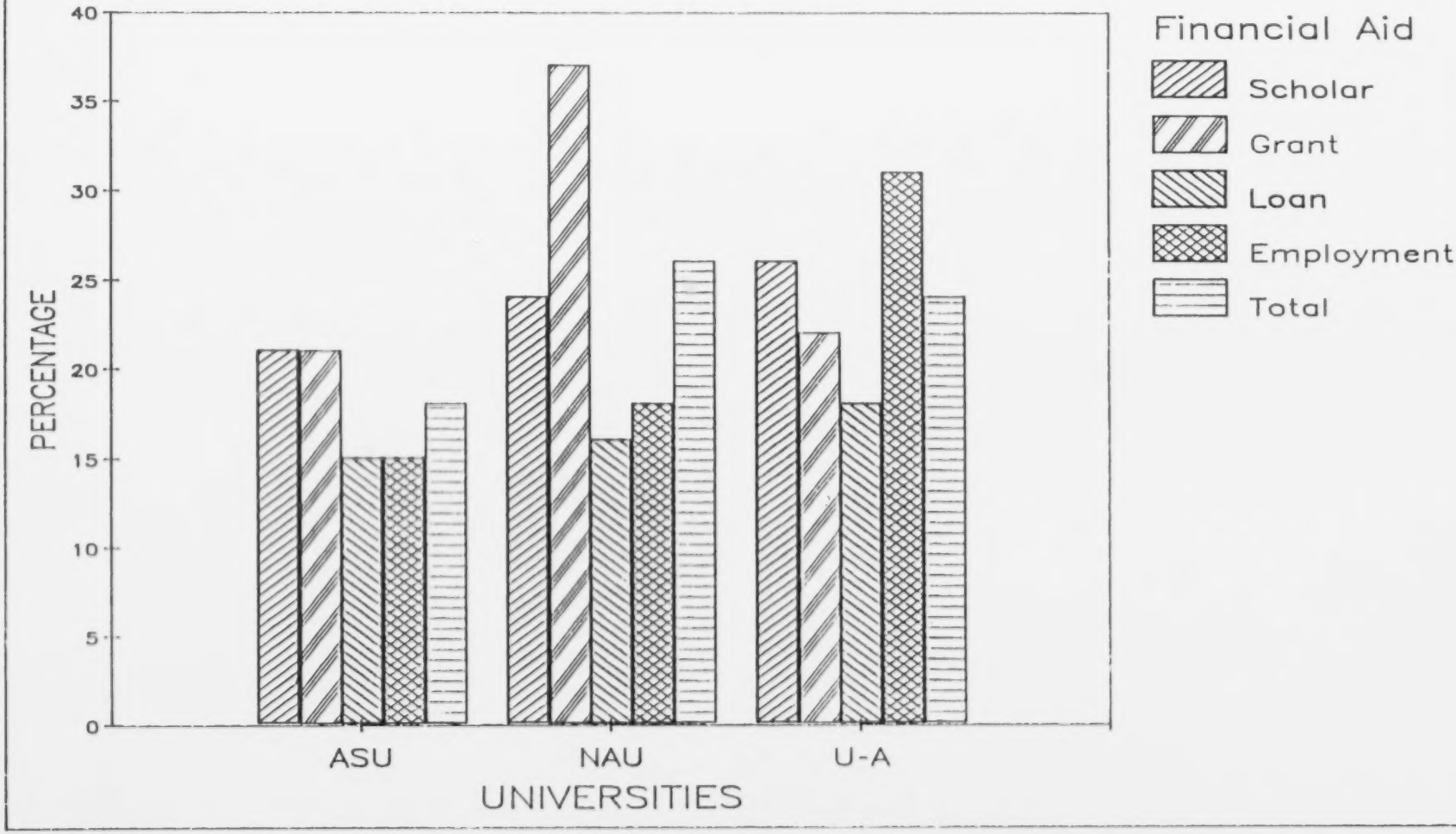
THE ARIZONA UNIVERSITIES
Student Financial Assistance
Total Awards By Ethnicity
Northern Arizona University

Typ	Year	Hisp	Black	Indian	Asian	Total Mnrty	Total Non-Mnrty	Grand Total
Sch	84-85	181	91	851	30	1159	2141	3300
	%	5	3	26	1	35	65	
	85-86	254	113	269	33	669	3174	3843
	%	7	3	7	1	17	83	
	86-87	448	287	656	59	1450	4867	6317
	%	7	5	10	1	23	77	
Grn	84-85	410	88	631	33	1162	2463	3625
	%	11	2	17	1	32	68	
	85-86	657	330	1505	50	2542	4411	6953
	%	9	5	22	1	37	63	
	86-87	509	179	1532	70	2290	3188	5478
	%	9	3	28	1	42	58	
Lon	84-85	223	71	110	28	432	2258	2690
	%	8	3	4	1	16	84	
	85-86	328	97	206	37	668	3323	3991
	%	8	2	5	1	17	83	
	86-87	453	137	245	69	904	4650	5554
	%	8	2	4	1	16	84	
Emp	84-85	97	20	63	4	184	486	670
	%	14	3	9	1	27	73	
	85-86	258	63	144	35	500	2559	3059
	%	8	2	5	1	16	84	
	86-87	324	93	232	61	710	3336	4046
	%	8	2	6	2	18	82	
Tot	84-85	917	270	1655	95	2937	7348	10285
	%	9	3	16	1	29	71	
	85-86	1497	603	2124	155	4379	13467	17846
	%	8	3	12	1	25	75	
	86-87	1734	696	2665	259	5354	16041	21395
	%	8	3	12	1	25	75	
Und	84-85	423	139	837	56	1455	4195	5650
	%	7	2	15	1	25	75	
	85-86	508	157	724	55	1444	5303	6747
	%	8	2	11	1	21	79	
	86-87	495	156	810	76	1537	5609	7146
	%	7	2	11	1	22	78	

THE ARIZONA UNIVERSITIES
Student Financial Assistance
Total Awards By Ethnicity
University of Arizona

Typ	Year	Hisp	Black	Indian	Asian	Total Mnrty	Total Non-Mnrty	Grand Total
Sch	84-85	376	163	184	93	816	2090	2906
	%	13	6	6	3	28	72	
	85-86							
	%							
	86-87	397	112	173	110	792	2437	3229
	%	12	4	5	4	25	75	
Grn	84-85	748	136	151	167	1202	2368	6570
	%	11	2	2	3	18	82	
	85-86							
	%							
	86-87	708	138	91	104	1141	2867	4008
	%	18	3	2	3	28	72	
Lon	84-85	648	187	54	198	1087	4949	6036
	%	11	3	1	3	18	82	
	85-86							
	%							
	86-87	642	204	61	193	1100	5024	6124
	%	10	3	1	3	18	82	
Emp	84-85	176	19	7	27	229	472	701
	%	25	3	1	4	33	67	
	85-86							
	%							
	86-87	66	19	8	12	105	263	368
	%	18	5	2	3	29	71	
Tot	84-85	1948	505	396	485	3334	9879	13213
	%	15	4	3	4	25	75	
	85-86							
	%							
	86-87	1813	473	373	479	3138	10591	13729
	%	13	3	3	3	23	77	
Wav	84-85	200	92	10	76	378	1433	1811
	%	11	5	1	4	21	79	
	85-86							
	%							
	86-87	278	109	43	150	580	2286	2866
	%	10	4	2	5	20	80	

THE ARIZONA UNIVERSITIES
Ethnic Student Financial Assistance
Three Year Mean
84/85 - 86/87



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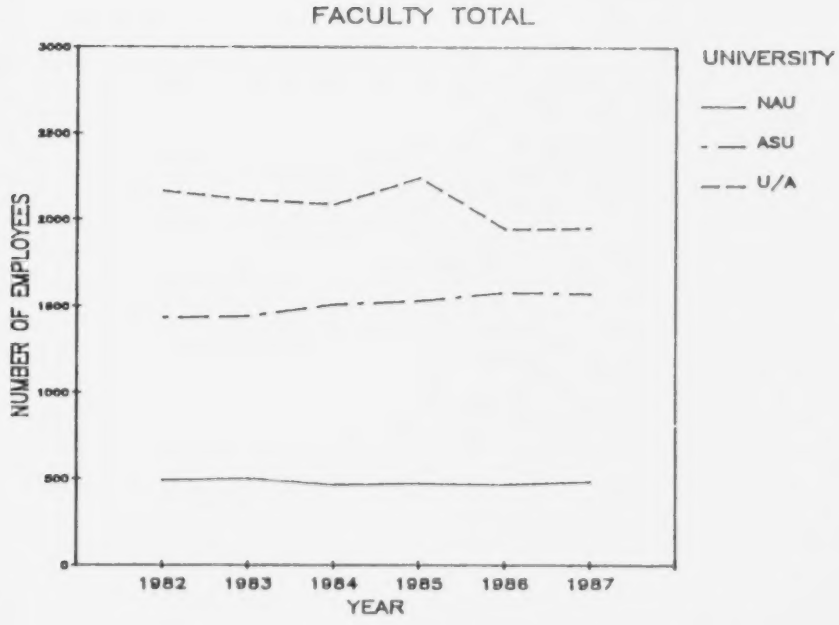
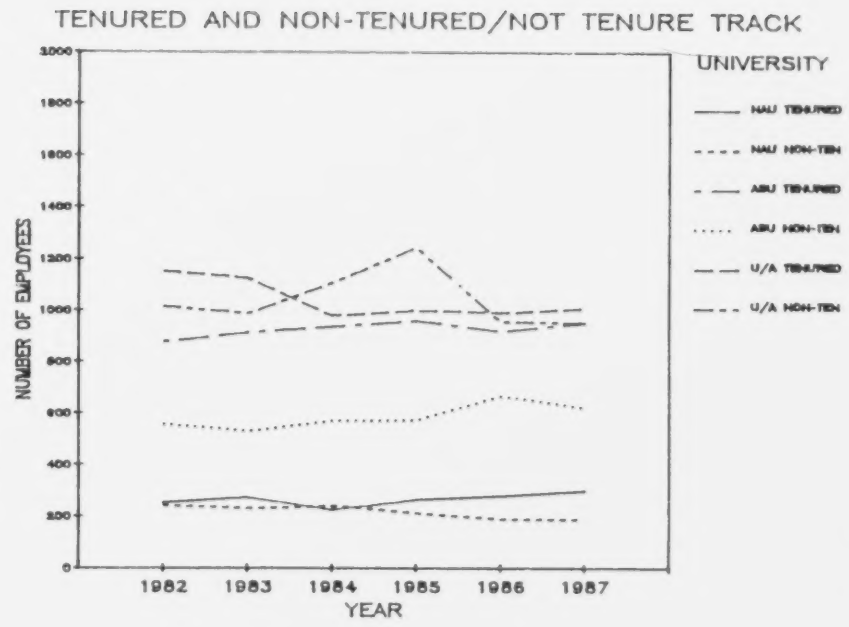
THE ARIZONA UNIVERSITIES
FACULTY BY ETHNIC DISTRIBUTION AND TENURE STATUS

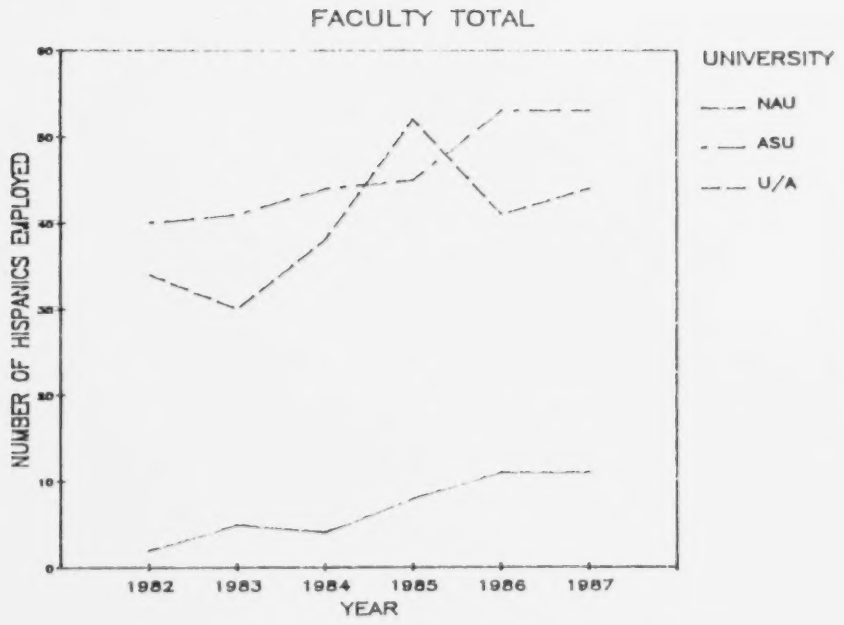
IV.	STATUS	ETHNIC GROUP	1982	1983	1984	1985	1986	1987
NAU	TENURED	HISPANIC	0	1	0	2	4	2
		BLACK	1	2	1	1	1	1
		NATIVE AMER.	2	2	1	1	1	1
		ASIAN	2	2	1	1	1	1
		TOTAL	252	274	222	264	278	298
ASU	TENURED	HISPANIC	19	19	24	27	24	27
		BLACK	5	7	10	10	8	10
		NATIVE AMER.	3	6	6	5	5	4
		ASIAN	25	28	30	32	33	34
		TOTAL	877	914	937	960	916	953
U/A	TENURED	HISPANIC	19	16	15	18	16	18
		BLACK	2	2	2	4	4	5
		NATIVE AMER.	3	3	3	4	4	7
		ASIAN	34	36	29	33	33	34
		TOTAL	1150	1124	978	1000	989	1007
NAU	NON-TENURED	HISPANIC	1	1	1	4	3	4
		BLACK	0	0	0	1	1	1
		NATIVE AMER.	1	0	2	3	3	4
		ASIAN	2	4	2	3	1	2
		TOTAL	179	141	147	142	111	90
ASU	NON-TENURED	HISPANIC	14	15	13	14	13	15
		BLACK	8	8	5	4	4	10
		NATIVE AMER.	3	3	2	2	2	6
		ASIAN	13	14	15	22	20	27
		TOTAL	293	300	275	292	257	301
I/A	NON-TENURED	HISPANIC	7	7	11	15	14	18
		BLACK	0	0	2	2	2	3
		NATIVE AMER.	4	2	1	2	2	3
		ASIAN	17	14	27	21	15	17
		TOTAL	316	299	552	406	404	444
NAU	NOT TENURE TRACK	HISPANIC	1	3	3	2	4	5
		BLACK	1	1	0	0	0	1
		NATIVE AMER.	0	0	2	2	2	1
		ASIAN	1	2	1	3	3	2
		TOTAL	60	87	92	67	76	95
ASU	NOT TENURE TRACK	HISPANIC	7	7	7	4	16	11
		BLACK	4	4	6	8	9	12
		NATIVE AMER.	3	1	1	0	2	1
		ASIAN	8	17	19	21	43	36
		TOTAL	262	228	297	281	410	319
U/A	NOT TENURE TRACK	HISPANIC	8	7	12	19	11	8
		BLACK	7	8	6	5	5	4
		NATIVE AMER.	1	0	4	4	4	4
		ASIAN	7	9	5	13	11	6
		TOTAL	697	687	555	838	551	505
NAU	FACULTY TOTAL	HISPANIC	2	5	4	8	11	11
		BLACK	2	3	1	2	2	3
		NATIVE AMER.	3	2	5	6	6	6
		ASIAN	5	8	4	6	5	5
		TOTAL	491	501	461	473	464	483
ASU	FACULTY TOTAL	HISPANIC	40	41	44	45	53	53
		BLACK	17	19	21	22	21	32
		NATIVE AMER.	9	10	9	7	9	11
		ASIAN	46	59	64	73	85	97
		TOTAL	1432	1442	1509	1538	1580	1573
U/A	FACULTY TOTAL	HISPANIC	34	30	38	52	41	44
		BLACK	9	10	10	11	11	12
		NATIVE AMER.	7	5	8	10	10	13
		ASIAN	58	59	61	67	59	57
		TOTAL	2163	2110	2085	2244	1944	1956

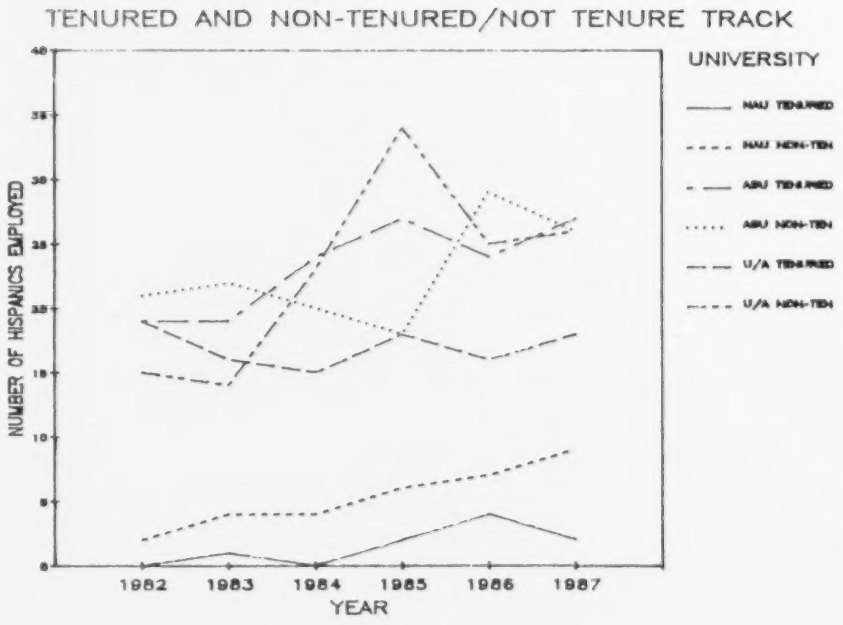
COMPARISON OF TOTAL FACULTY WORK FORCE



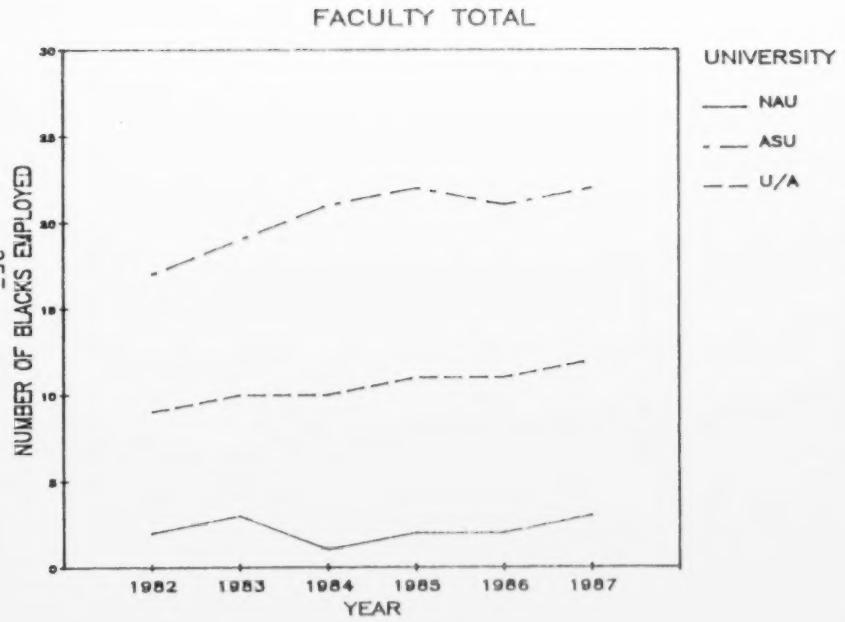


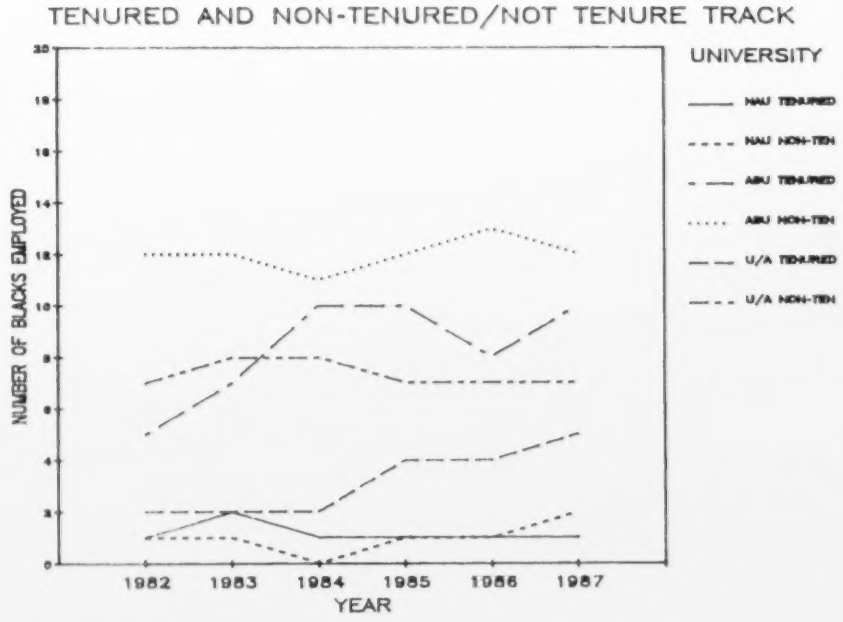
COMPARISON OF HISPANIC FACULTY



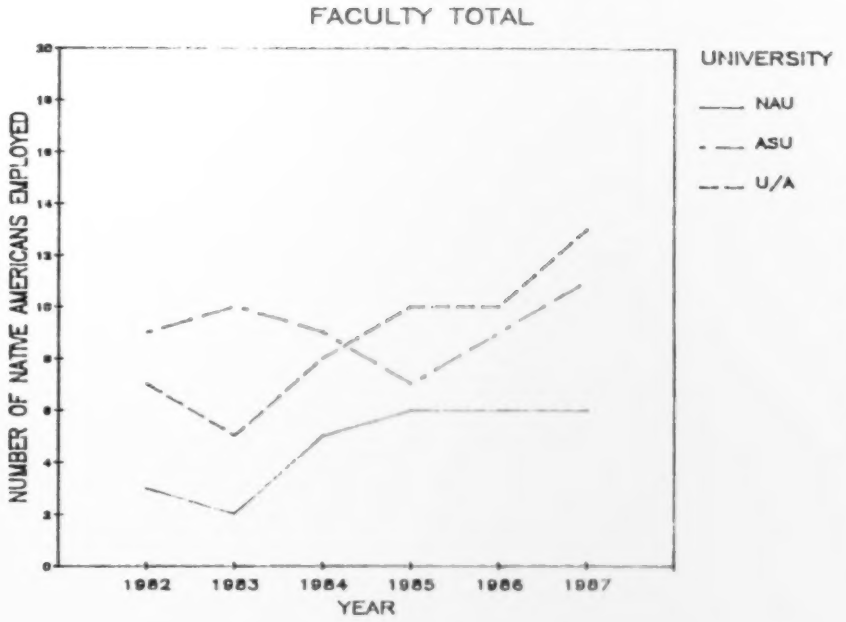


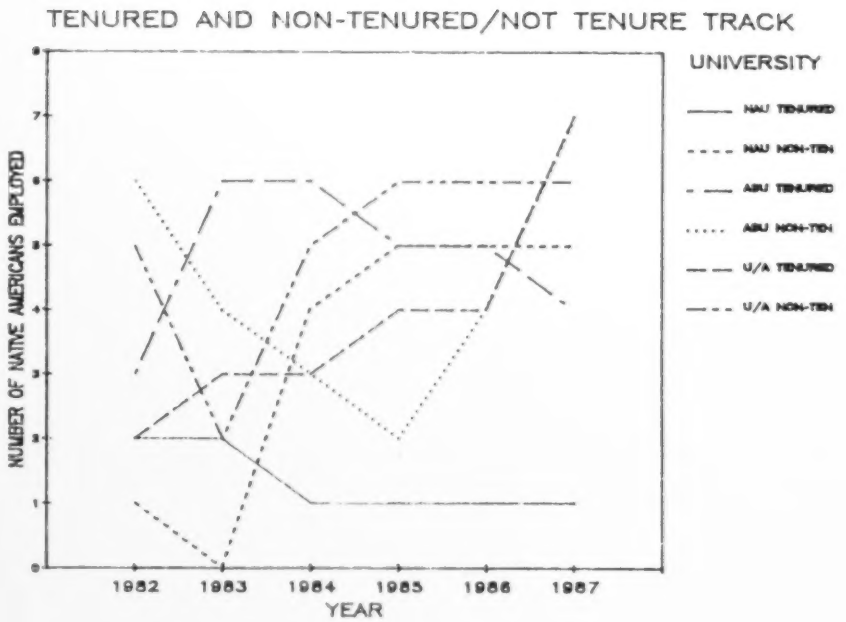
COMPARISON OF BLACK FACULTY



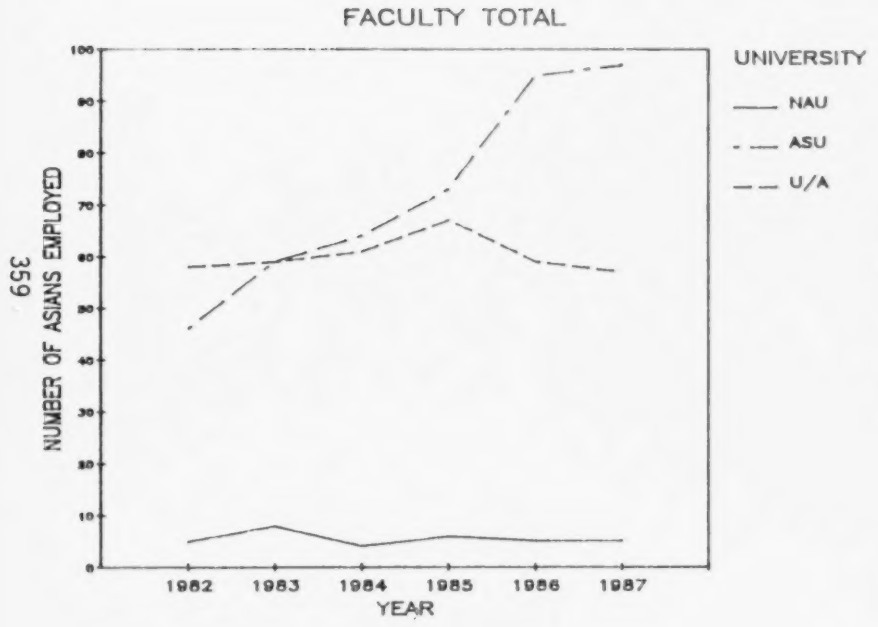


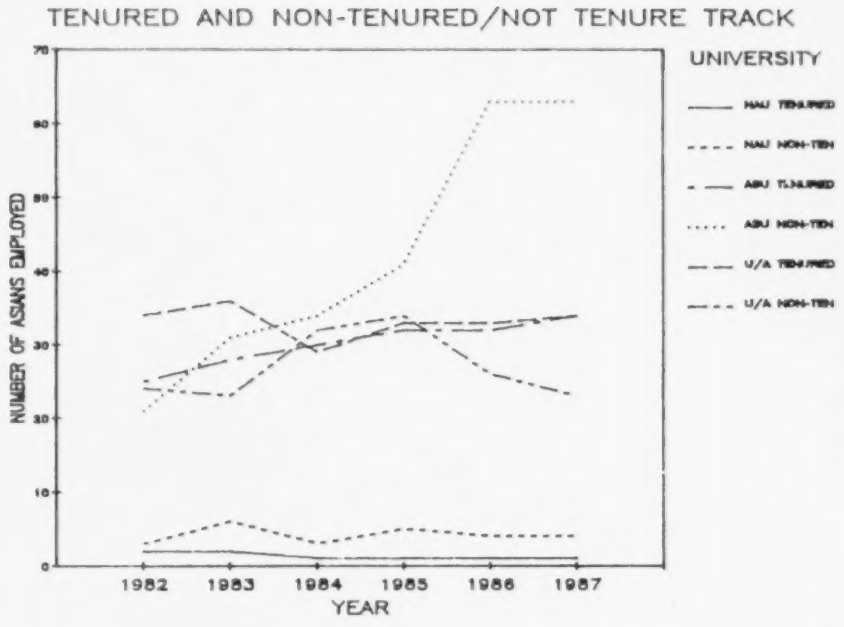
COMPARISON OF NATIVE AMERICAN FACULTY





COMPARISON OF ASIAN FACULTY





THE ARIZONA UNIVERSITIES
New Undergraduate Students
Withdrawals, Persistence*, Graduation and Summary

Arizona State University
Students Entering Fall 1981

Entry Group	#	% Persis/Grad By Year 1st	2nd	3rd	4th	5th	Summary End of 5th Year Withdrawals Acad	Vol	Pers ***	Grad
New Fresh**	3513						17	29	19	35
Persistence		100	72	62	56	37				
Graduation				1	17	35				
Fresh Trnsf	712						20	32	12	36
Persistence		100	64	55	39	20				
Graduation				12	27	36				
Soph Trnsf	1907						19	26	7	49
Persistence		100	70	52	25	11				
Graduation			11	33	44	49				
Jr Trnsf	1337						13	31	6	50
Persistence		100	67	43	17	9				
Graduation		2	18	40	47	50				
Sen Trnsf	223						11	29	4	57
Persistence		100	58	30	16	7				
Graduation		13	36	48	54	57				
Post Bacc	166						7	60	4	29
Persistence		100	51	25	8	4				
Graduation		4	13	25	28	29				
Unclass	749						23	60	8	9
Persistence		100	28	20	15	10				
Graduation			1	3	6	9				

* Students who were enrolled in the fall and/or spring semesters of the specified years.
** New freshman entering with less than 12 transfer hours.
*** Students enrolled in the fall and/or spring semesters of the fifth year, but did not graduate in the fifth year.

THE ARIZONA UNIVERSITIES
New Undergraduate Students
Withdrawals, Persistence*, Graduation and Summary

Northern Arizona University
Students Entering Fall 1984

		% Pers/Grad By Year				Summary End of 4th Year			
						Withdrawals			
Entry Group	#	1st	2nd	3rd	4th	Acad	Vol	Pers***	Grad
New Fresh**	1158					9	53	37	0
Persistence		100	62	45	37				
Graduation		0	0	0	0				
Fresh Trnsf	404					7	53	34	5
Persistence		100	59	45	34				
Graduation		0	0	5	5				
Soph Trnsf	347					5	45	22	29
Persistence		100	69	54	22				
Graduation		0	4	29	29				
Jr Trnsf	258					8	34	11	46
Persistence		100	72	39	11				
Graduation		1	23	46	46				
Sen Trnsf	49					10	45	6	39
Persistence		100	49	24	6				
Graduation		8	27	39	39				
Unclass	5					20	60	0	20
Persistence		100	20	20	0				
Graduation		0	0	20	20				

* Students who were enrolled in the fall and/or spring semesters of the specified years.
** New freshman entering with less than 12 transfer hours.
*** Students enrolled in the fall and/or spring semesters of the fifth year, but did not graduate in the fifth year.

THE ARIZONA COMMUNITY COLLEGES

THE ARIZONA COMMUNITY COLLEGES

Enrollment by Ethnicity - Totals
Fall 1984 - Spring 1987

Full Time Student Enrollment
From Fall to Spring Semesters by County

Student Credit Hours Enrolled
From Fall to Spring Semesters

Enrollment by Ethnic Background by County

Academic Degrees by County
June 1985 - June 1987

Headcount Enrollment by Age Distribution

THE ARIZONA COMMUNITY COLLEGES

Enrollment by Ethnicity - Totals
Fall 1984 - Spring 1987

Full Time Student Enrollment
From Fall to Spring Semesters by County

Student Credit Hours Enrolled
From Fall to Spring Semesters

Enrollment by Ethnic Background by County

Academic Degrees by County
June 1985 - June 1987

Headcount Enrollment by Age Distribution

THE ARIZONA COMMUNITY COLLEGES
Enrollment By Ethnicity
Fall 1984 - Spring 1987

Semester	Indian	Asian	Black	Hisp.	Total Minority	Total Non Minority	Grand Total
Fall 84	3577	1818	4004	12643	22042	85367	107409
%	16	9	18	57	21	79	
Sprg 85	4314	1898	4152	12495	22859	87447	110306
%	19	8	18	55	21	79	
Fall 85	4007	1918	3767	13498	23190	89373	112563
%	17	8	17	58	20	80	
Sprg 86	4460	2014	3709	13269	23452	94171	117623
%	19	8	16	57	20	80	
Fall 86	4301	2238	4030	14797	25366	95555	120921
%	17	9	16	58	21	79	
Sprg 87	4691	2341	3977	14584	25593	98871	124464
%	18	9	16	57	21	79	
Mean	4225	2038	3940	13548	23750	91797	115548
Standard Deviation	388	207	168	963	1423	5214	6562

THE ARIZONA COMMUNITY COLLEGES
Full Time Student Enrollment
Fall 1984 - Spring 1986

	Fall 1984-1986			Spring 1984-1986			
County	Number	Total	% Total	Number	Total	% Total	% Change
Cochise	3518	12808	28	3727	13022	29	+ 1
Graham	3253	11080	29	3135	11806	27	- 2
Maricopa:	41346	201078	21	37090	199094	19	- 2
Gateway	2005	8746	23	1927	9384	21	- 2
Glendale	10221	41699	25	8958	41101	22	- 3
Mesa	8608	49948	17	11553	49532	23	+ 6
Phoenix	8668	35861	26	7616	35269	22	- 4
Rio Salado	629	36196	2	622	35086	2	0
Scottsdale	6148	23759	26	5470	23887	23	- 3
S Mountain	1067	4869	22	944	4835	20	- 2
Mohave	937	10145	9	925	10883	8	- 1
Navajo	1165	15433	8	1342	17623	7	- 1
Pima	13983	62856	22	13217	63740	21	- 1
Pinal	2570	12496	21	2389	14670	16	- 5
Yavapai	2146	15916	13	2163	17210	13	0
Yuma/La Paz	3073	11800	26	2613	16052	16	- 10

THE ARIZONA COMMUNITY COLLEGES
Student Credit Hours Enrolled
Fall 1984 - Spring 1986

	Fall 1984-1986			Spring 1984-1986			
County	Number	Total	% Total	Number	Total	% Total	% Change
Cochise	56649	100004	57	55942	102917	54	- 3
Graham	44526	76668	58	44353	76429	58	0
Maricopa:	831173	1247749	67	773953	1175065	66	- 1
Gateway	13233	51921	25	12573	62173	20	- 5
Glendale	200171	278934	72	184359	258101	71	- 1
Mesa	253252	352624	72	235912	336023	70	- 2
Phoenix	159043	247473	64	148913	231981	64	0
Rio Salado	55702	121751	46	54344	115163	47	+ 1
Scottsdale	126745	165829	76	116961	156508	75	- 1
S Mountain	23022	29184	79	20890	27686	75	- 4
Mohave	38235	60985	63	39077	62973	62	- 1
Navajo	41509	68319	61	47550	78069	61	0
Pima	291832	436085	67	282224	426552	66	- 1
Pinal	48764	77346	63	53086	78904	67	+ 4
Yavapai	51080	76988	66	51699	77094	67	+ 1
Yuma/La Paz	63157	88020	72	61465	85562	72	0

THE ARIZONA COMMUNITY COLLEGES
Enrollment by Ethnic Background
Fall 1984 - Spring 1987

County	Fall Sprg Year	Indian	Asian	Black	Hisp	Total Mnrty	Grand Total	% Mntry of Total
Cochise	F	180	399	684	2410	3673	12808	29
	S	191	458	786	2440	3875	13022	30
	Y	371	1228	1470	4850	7548	25830	29
	Y %	5	11	19	65			
Graham	F	768	172	289	1816	3045	11080	27
	S	805	170	265	1842	3082	11806	26
	Y	1573	342	554	3658	6127	22886	27
	Y %	26	6	9	59			
Maricopa:	F	3630	3378	7579	17993	32580	201078	16
	S	3820	3463	7609	17579	32471	199094	16
	Y	7450	6841	15188	35572	65051	400172	16
	Y %	11	11	23	55			
Gateway	F	379	194	883	1288	2744	8746	31
	S	460	217	883	1383	2943	9384	31
	Y	839	411	1766	2671	5687	18130	31
	Y %	15	7	31	47			
Glendale	F	293	1227	1022	3561	6103	41699	15
	S	325	939	1066	3392	5722	41101	14
	Y	618	2166	2088	6953	11825	82800	14
	Y %	5	18	18	59			
Mesa	F	848	1067	1261	4110	7286	47013	15
	S	844	1060	1259	2944	7107	49532	14
	Y	1692	2127	2520	8054	14393	96545	15
	Y %	12	15	17	56			
Phoenix	F	1011	713	1717	4008	7449	35861	21
	S	1002	707	1749	3850	7308	35269	21
	Y	2013	1420	3466	7858	14757	71130	21
	Y %	14	10	23	53			

Rio Salado	F	548	239	1043	3012	4842	36196	13
	S	589	283	1119	3013	5004	35086	14
	Y	1137	522	2162	6025	9846	71282	14
	Y %	12	5	22	61			
Scottsdale	F	460	197	292	571	1520	23759	6
	S	492	217	238	542	1489	23887	6
	Y	952	414	530	1113	3009	47646	6
	Y %	32	14	18	36			
S Mountain	F	91	34	1361	1443	2929	4869	60
	S	108	40	1395	1455	2998	4835	62
	Y	199	74	2756	2898	5927	9704	61
	Y %	3	1	47	49			
Mohave	F	215	36	15	236	502	10145	5
	S	221	42	13	219	495	10883	5
	Y	436	78	28	455	997	21028	5
	Y %	44	8	3	45			
Navajo	F	3516	63	91	907	4577	15433	30
	S	4444	56	108	1087	5695	17623	32
	Y	7960	119	199	1994	10272	33056	31
	Y %	78	1	2	19			
Pima	F	1302	1719	2270	11500	16791	62856	27
	S	1412	1833	2277	11478	17000	63740	27
	Y	2714	3552	4547	22978	33791	126596	27
	Y %	8	11	13	68			
Pinal	F	986	70	393	2334	3783	12496	30
	S	1098	60	392	2071	3621	14670	25
	Y	2084	130	785	4405	7404	27166	27
	Y %	28	2	11	59			
Yavapai	F	959	59	66	508	1592	15916	10
	S	1190	94	76	587	1947	17220	11
	Y	2149	153	142	1095	3539	33136	11
	Y %	61	4	4	31			
Yuma/La Paz	F	329	78	414	3234	4055	11800	34
	S	284	77	336	3045	3742	16052	23
	Y	613	155	750	6279	7797	27852	28
	Y %	8	2	10	80			

THE ARIZONA COMMUNITY COLLEGES
Academic Degrees
June 1985 - June 1987

County	Number of Academic Degrees	% of Total Degrees	Total Degrees
Cochise	377	48	788
Graham	394	71	553
Maricopa:	4362	52	8308
Gateway	34	6	592
Glendale	1214	37	3289
Mesa	1286	55	2352
Phoenix	1004	49	2053
Rio Salado	190	74	255
Scottsdale	543	62	873
S Mountain	91	84	108
Mohave	76	50	153
Navajo	90	49	184
Pima	1147	42	2715
Pinal	264	54	486
Yavapai	210	46	461
Yuma/La Paz	251	41	610

THE ARIZONA COMMUNITY COLLEGES
Headcount Enrollment by Age Distribution
Fall 1984 - Spring 1987

Age Group	Fall 84	Spring 85	Fall 85	Spring 86	Fall 86	Spring 87	Fall TOTAL	Spring TOTAL
< 20	18713	16216	19378	17333	21701	18927	59792	52476
%	17	14	17	14	17	15	17	14
20-24	26457	26788	26821	27596	28012	28898	81290	83282
%	24	23	23	23	22	22	23	23
25-29	18959	18942	18957	19541	19848	20172	57764	58655
%	17	17	16	16	16	15	16	16
30-39	24174	24870	26228	26985	28643	29679	79045	81534
%	22	22	23	23	23	23	22	22
40-49	11605	12172	12482	13441	14303	15173	38390	40786
%	10	11	11	11	11	12	11	11
50-59	4874	5596	5457	6063	6248	6776	16579	18435
%	4	5	5	5	5	5	5	5
60+	4517	6980	5188	7983	5767	8666	15472	23629
%	4	6	4	7	5	7	4	6
Undec	2057	1971	1389	1612	1834	1730	5280	5313
%	2	2	1	1	1	1	1	1
TOTAL	111356	113535	115900	120554	126356	130021	353612	364110

THE ARIZONA DEPARTMENT OF EDUCATION

THE ARIZONA DEPARTMENT OF EDUCATION

Language Census and Program Report
Primary Home Language

Percentile Rank in Reading Comprehension

Reading Comprehension Subtest Results
by Primary Home Language

Limited English Proficient (LEP) Programs

Summary of Participation by School Districts

Standardized Test Scores
Iowa Tests of Basic Skills Grades 6 - 8
Stanford Achievement Test Grades 9 - 12

THE ARIZONA DEPARTMENT OF EDUCATION
Language Census and Program Report
Primary Home Language
State Totals K-12
1985 - 1986

ARS 15-751-756

Language	Number	Percent
English	501,165	83.8
Spanish	71,045	11.9
Indian	19,276	3.1
Navaho	(14,948)	(2.5)
Apache	(2,118)	(0.4)
Other	(2,210)	(0.4)
Other	6,345	1.1
TOTAL	597,831	100.1

Arizona Pupil Achievement Testing Results
June 1986
Percentile Rank in Reading Comprehension
of
White, Hispanic, and American Indian Students

Grade	Percentile Rank of National Norm	Percentile Rank Arizona			Arizona Relation to National Norm		
		White	Hispanic	American Indian	White	Hispanic	American Indian
First	49	55	34	28	+6	-15	-21
Second	46	65	39	31	+19	-7	-15
Third	46	62	40	31	+16	-6	-15
Fourth	45	57	35	29	+12	-10	-16
Fifth	45	56	36	31	+11	-9	-14
Sixth	43	54	33	26	+11	-10	-17
Seventh	43	49	29	23	+6	-14	-20
Eighth	42	50	31	24	+8	-11	-18
Ninth	51	69	44	32	+18	-7	-19
Tenth	48	62	38	26	+14	-10	-22
Eleventh	48	62	34	22	+14	-14	-26
Twelfth	45	61	34	23	+16	-11	-22

NB: The above data does not include the 4,675 students who were exempted from the statewide testing program due to their degree of limited English proficiency.

SPRING 1987
ARIZONA STATE ACHIEVEMENT TEST
IOWA TEST OF BASIC SKILLS
READING COMPREHENSION SUBTEST RESULTS
BY
PRIMARY HOME LANGUAGE

	Grade 1		Grade 2		Grade 3		Grade 4		Grade 5		Grade 6		Grade 7		Grade 8		TOTAL	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
Total Students Tested	49,449	100	44,987	100	43,118	100	42,490	100	40,087	100	39,871	100	39,761	100	39,367	100	339,224	100
Total English Home Language Students Tested	40,781	82	38,305	85	36,134	84	35,144	83	33,669	84	33,722	85	33,365	84	33,412	85	284,532	84
Total Non-English Home Language Students Tested	4,860	10	4,872	11	4,828	11	5,284	12	4,681	12	4,383	11	4,081	10	4,024	10	37,103	11
Total Unknown Home Language Students Tested	3,808	8	1,810	4	2,160	5	2,062	5	1,737	4	1,766	4	2,315	6	1,931	5	17,589	5
Total Non-English Home Language Students Scoring At or Below the 40th Percentile	3,465	75	3,463	71	3,319	69	3,569	68	3,039	65	3,142	72	2,981	73	2,953	73	25,931	70

SPRING 1987
ARIZONA STATE ACHIEVEMENT TEST
STANFORD ACHIEVEMENT TEST
READING COMPREHENSION SUBTEST RESULTS
BY
PRIMARY HOME LANGUAGE

	Grade 9		Grade 10		Grade 11		Grade 12		TOTAL	
	Number	%	Number	%	Number	%	Number	%	Number	%
Total Students Tested	39,940	100	38,779	100	34,866	100	30,020	100	143,605	100
Total English Home Language Students Tested	33,076	83	32,783	85	29,563	85	25,441	85	120,863	84
Total Non-English Home Language Students Tested	3,666	9	3,059	8	2,481	7	2,410	8	11,616	8
Total Unknown Home Language Students Tested	3,198	8	2,937	7	2,822	8	2,169	7	11,126	8
Total Non-English Home Language Students Scoring At or Below the 40th National Percentile	2,420	66	2,030	66	1,784	72	1,639	68	7,873	68

THE ARIZONA DEPARTMENT OF EDUCATION
LIMITED ENGLISH PROFICIENT (LEP) PROGRAMS

School districts are required to implement program services for LEP students from program options allowed under ARS 15-754. A school district may meet this requirements by implementing any of the following program options:

1. K-6 Transitional Bilingual Program - instruction in and through English and the primary home language of students.

2. 7-12 Secondary Bilingual Program - use of the pupil's primary home language for instruction in the elective and non-elective content courses required for graduation.

3. K-12 Bilingual-Bicultural Program - to achieve competency and literacy in both languages.

4. English as a Second Language Program (ESL) - daily instruction in English language development including: listening and speaking; reading and writing; cognitive and academic; and understanding of the history and culture of the United States and the values of the cultures associated with the primary home language.

5. Individual Education Program - a systematic, individualized program of instruction using the pupil's primary home language for subject matter instruction.

The following program options were offered by school districts during the 1985-1986 school year:

Program Options	Number of School Dists.	Number of Participants
K-6 Transitional Bilingual Program	26	14,550
7-12 Secondary Bilingual Program	11	4,205
K-12 Bilingual-Bicultural Program	6	903
English as a Second Language Program	93	19,159
Individual Education Program	54	1,395

THE ARIZONA DEPARTMENT OF EDUCATION
Summary of Participation by School Districts
In
Limited English Proficient Programs
1985 - 1986

ARS 15-754

Districts With Programs Not Implemented (PNI)
Districts With No Eligible Students (NES)
Total Number of Districts in County (T)

County	(PNI)-(NES)/(T)	Percent
Apache	4 - 1 / 10	33.3
Cochise	9 - 1 / 22	36.4
Coconino	3 - 1 / 8	25.0
Gila	3 - 2 / 8	12.5
Graham	1 - 0 / 7	14.3
Greenlee	5 - 1 / 6	66.6
Maricopa	11 - 2 / 57	15.8
Mohave	9 - 6 / 14	21.4
Navaho	2 - 1 / 10	10.0
Pima	3 - 2 / 15	6.7
Pinal	4 - 0 / 20	20.0
Santa Cruz	2 - 0 / 6	33.3
Yavapai	8 - 4 / 18	22.2
Yuma	0 - 0 / 9	0.0
La Paz	1 - 1 / 6	0.0
TOTAL	65 - 22 /216	19.9

DISTRICT REPORT OF AVERAGES

Iowa Tests of Basic Skills

System
Norms SPRING
Order No 000-000096 xx

Grade 3
Test Date
Page 3

		LISTENING LI	WORD ANALYSIS WA	VOCABULARY V	READING R	LANGUAGE SKILLS: SPELLING L-1	CAPITALIZATION L-2	PUNCTUATION L-3	USAGE L-4	TOTAL L	WORK-STUDY SKILLS: VISUAL MATERIAL W-1	REFERENCES W-2	TOTAL W	MATHEMATICS SKILLS: CONCEPTS M-1	PROBLEMS M-2	COMPUTATION M-3	TOTAL M	COMPOSITES: BASIC	COMPLETE	SOCIAL STUDIES SS	SCIEN SC
SCHOOL A	N			92	92	91	88	89	89	87	92	92	92	93	93	92	92	90	87		
	AVERAGE GRADE EQUIVALENT			38.1	39.1	36.6	40.1	43.5	42.3	40.7	38.8	35.5	37.2	37.1	36.4	34.6	36.0	37.6	38.4		
	PR OF MEAN GE:																				
	PUPIL NORMS			49	53	45	54	59	56	55	51	42	48	44	45	34	43	48	51		
	SCHOOL NORMS			44	48	32	54	69	59	55	50	30	41	33	35	14	30	39	46		
	AVERAGE NATIONAL STANINE			5.0	5.1	4.6	5.1	5.4	5.3	5.2	5.1	4.6	4.9	4.7	4.8	4.2	4.6	4.8	5.0		
	AVERAGE STANDARD SCORE			107.3	108.4	104.9	110.0	113.9	112.3	110.4	108.2	104.2	106.2	106.2	105.2	103.4	104.9	106.4	107.8		
	AVERAGE NORMAL CURVE EQUIV			49.4	50.7	45.8	51.4	53.7	53.1	51.7	50.6	45.3	48.8	46.1	47.7	41.1	45.0	48.0	49.8		
	AVERAGE RAW SCORE			17.3	28.6	17.5	16.0	16.3	21.1		22.3	19.6		17.9	14.6	23.0					
	MEDIAN GRADE EQUIVALENT			38.8	38.1	35.6	37.4	42.4	42.7	40.4	38.7	36.8	38.8	37.4	36.8	34.3	36.3	37.8	38.8		
	MEDIAN STANDARD SCORE			108.8	108.1	104.6	106.4	113.4	113.7	110.4	108.7	106.8	108.8	107.4	106.8	103.3	105.3	107.8	108.8		
	STANDARD DEVIATION OF NCE			17.0	18.8	19.7	16.8	19.2	17.3	17.3	18.6	19.2	18.6	16.3	18.3	20.4	18.2	18.0	18.1		
SCHOOL B	N			138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138		
	AVERAGE GRADE EQUIVALENT			35.5	35.3	34.5	36.8	40.3	36.4	37.0	35.4	33.3	34.4	32.7	32.3	34.8	33.2	34.7	35.1		
	PR OF MEAN GE:																				
	PUPIL NORMS			40	42	38	44	52	44	44	41	35	39	29	32	35	31	38	39		
	SCHOOL NORMS			30	27	20	33	51	33	33	32	19	25	11	13	15	13	22	26		
	AVERAGE NATIONAL STANINE			4.5	4.5	4.3	4.6	5.0	4.6	4.6	4.6	4.2	4.5	3.9	4.1	4.3	4.0	4.3	4.3		
	AVERAGE STANDARD SCORE			104.1	103.1	102.1	105.4	109.6	104.7	105.4	103.6	101.4	102.6	100.1	99.7	103.8	101.0	102.7	103.4		
	AVERAGE NORMAL CURVE EQUIV			45.0	44.5	42.5	45.9	49.1	45.6	45.7	45.3	41.3	43.8	36.8	40.1	41.6	38.1	41.7	42.5		
	AVERAGE RAW SCORE			15.9	25.7	16.4	14.4	15.0	18.4		20.6	18.3		15.5	12.7	23.3					
	MEDIAN GRADE EQUIVALENT			34.5	35.3	33.3	34.9	39.0	36.1	36.5	34.2	34.1	35.0	33.0	33.7	34.1	33.3	34.2	35.9		
	MEDIAN STANDARD SCORE			103.0	104.3	101.3	103.9	109.0	105.1	105.0	103.2	103.1	104.0	101.0	101.7	103.1	101.3	102.2	104.9		
	STANDARD DEVIATION OF NCE			18.0	17.8	18.0	16.6	19.7	17.7	17.8	18.7	18.3	18.3	17.9	20.2	19.0	19.8	18.9	19.3		
	SYSTEM AVERAGES N			775	773	772	769	769	768	766	772	770	770	772	772	770	770	761	754		
	AVERAGE GRADE EQUIVALENT			39.0	39.1	38.6	40.5	44.3	41.5	41.3	39.7	36.6	38.2	36.0	35.4	36.4	35.9	38.2	38.7		
	PR OF MEAN GE:																				
	PUPIL NORMS			52	53	51	55	61	55	57	54	45	51	40	42	43	42	50	52		
	SCHOOL NORMS			48	48	46	56	74	55	59	55	37	47	26	28	29	29	42	48		
	AVERAGE NATIONAL STANINE			5.1	5.1	5.0	5.2	5.5	5.2	5.3	5.2	4.8	5.1	4.5	4.7	4.6	4.5	4.9	5.0		
	AVERAGE STANDARD SCORE			108.5	108.3	107.6	110.4	114.8	111.3	111.0	109.3	105.6	107.5	104.6	103.8	105.8	104.7	107.3	108.2		
	AVERAGE NORMAL CURVE EQUIV			50.9	50.6	49.2	51.8	54.6	52.1	52.7	51.9	47.2	50.5	43.7	45.9	45.6	44.8	49.1	50.4		
	AVERAGE RAW SCORE			17.8	28.5	18.6	16.1	16.7	20.7		22.7	20.4		17.3	14.3	24.6					
	MEDIAN GRADE EQUIVALENT			39.0	38.5	38.2	39.5	46.6	41.4	41.5	38.6	37.2	38.2	36.6	36.6	35.9	36.3	38.2	38.9		
	MEDIAN STANDARD SCORE			109.0	108.5	107.2	109.5	118.6	111.4	112.0	108.6	107.2	108.2	106.6	106.6	105.9	105.3	108.2	108.9		
	STANDARD DEVIATION OF NCE			17.5	18.7	18.2	18.0	19.9	17.6	17.7	19.2	19.1	18.8	17.4	19.9	19.9	19.1	18.0	18.7		

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STANFORD AC.. ..VEMENT TEST

SCHOOL PUEBLO HIGH SCHOOL GRADE 9

SYSTEM TUCSON UNIFIED DISTR LEVEL ADVANCED FORM E

TEST DATE 04/20/87 STANFORD NORMS GR 09.8

ARIZONA
PUPIL ACHIEVEMENT
TESTING

ANALYSIS OF VARIABLES SCHOOL REPORT
COPY 2

	READING COMP.	VOCAB.	LISTENING COMP.	SPELLING	LANGUAGE	CONCEPTS OF NO.	MATH COMP.	MATH APP.	TOTAL LANGUAGE	TOTAL LISTENING	TOTAL MATH.	BASIC BATTERY
SEX												
MALE N-COUNT=	206	196	190	206	207	209	213	180	206	178	171	152
MEAN RAW SCORE	35.7	24.0	25.2	30.2	34.7	19.4	22.7	20.6	64.8	49.5	64.2	218.7
MEAN SCALED SCORE	667.3	674.3	660.2	675.9	661.5	681.0	681.3	677.4	667.4	667.9	682.2	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	30-4	25-4	19-3	11-3	15-3	8-2	10-2	14-3	12-3	22-3	17-3	NA[1]
G.E. OF THE MEAN SCALED SCORE	7.6	7.6	6.7	7.2	6.6	8.0	7.9	8.0	6.8	7.2	8.2	NA[1]
MEAN NCE AND STANDARD DEVIATION	43.0/17.1	37.3/16.2	37.1/15.8	37.3/18.3	38.0/15.4	38.4/19.5	37.9/19.6	39.5/18.6	36.3/16.3	37.2/15.5	39.5/16.6	40.2/13.5
FEMALE N-COUNT=	233	216	200	233	233	232	234	207	233	190	197	169
MEAN RAW SCORE	37.5	22.3	24.7	33.6	36.5	18.7	24.5	19.6	70.1	47.1	64.1	221.5
MEAN SCALED SCORE	673.2	665.4	657.9	691.5	668.0	677.1	690.2	673.4	677.7	662.0	682.3	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	40-5	12-3	16-3	35-4	22-3	5-2	20-3	10-2	28-4	13-3	17-3	NA[1]
G.E. OF THE MEAN SCALED SCORE	8.2	6.9	6.5	8.5	7.2	7.8	8.6	7.7	7.7	6.7	8.2	NA[1]
MEAN NCE AND STANDARD DEVIATION	45.8/17.5	32.8/16.0	35.6/16.6	44.1/18.6	41.3/15.4	36.2/19.2	41.9/17.6	37.2/19.0	41.6/16.8	33.7/15.8	39.6/16.1	40.6/14.1
UNKNOWN N-COUNT=	3	1	1	3	3	3	3	1	3	1	1	1
MEAN RAW SCORE	36.3	33.0	35.0	36.0	42.3	17.7	25.0	33.0	78.3	68.0	90.0	306.0
MEAN SCALED SCORE	669.3	721.0	716.0	701.3	686.7	670.7	691.0	735.0	693.0	718.0	721.0	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	36-4	95-8	98-9	52-5	57-5	10-2	32-4	93-8	60-6	96-9	79-7	NA[1]
G.E. OF THE MEAN SCALED SCORE	7.8	12.2	PHS	9.3	9.5	7.5	8.6	PHS	9.2	PHS	11.5	NA[1]
MEAN NCE AND STANDARD DEVIATION	44.0/19.9	59.9/ 0.0	69.3/ 0.0	48.6/19.5	50.5/16.3	33.5/20.2	42.8/ 9.9	67.0/ 0.0	49.6/20.1	64.9/ 0.0	58.1/ 0.0	66.0/ 0.0
PRIMARY LANGUAGE												
ENGLISH N-COUNT=	295	269	254	295	295	296	296	253	295	244	246	216
MEAN RAW SCORE	38.4	24.6	25.8	33.3	37.0	19.6	24.2	20.9	70.3	50.5	66.0	226.6
MEAN SCALED SCORE	676.3	677.3	663.2	689.9	668.9	682.0	688.8	678.3	677.5	670.1	685.1	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	46-5	31-4	25-4	31-4	23-4	9-2	19-3	15-3	26-4	26-4	21-3	NA[1]
G.E. OF THE MEAN SCALED SCORE	8.5	7.8	7.0	8.4	7.3	8.1	8.5	8.0	7.7	7.4	8.4	NA[1]
MEAN NCE AND STANDARD DEVIATION	47.1/16.8	38.8/15.5	38.8/16.2	43.4/18.7	41.7/15.5	38.8/20.0	41.1/19.1	39.9/19.3	41.7/16.5	38.5/15.1	40.9/16.9	42.3/13.8
SPANISH N-COUNT=	130	128	120	130	130	129	133	116	130	115	109	99
MEAN RAW SCORE	34.0	20.4	23.5	30.0	33.8	18.4	23.5	19.3	63.8	44.3	62.5	211.0
MEAN SCALED SCORE	661.6	656.1	651.8	675.7	659.4	675.2	684.3	672.3	666.3	655.1	679.7	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	22-3	5-2	8-2	11-3	13-3	4-2	13-3	9-2	11-3	7-2	15-3	NA[1]
G.E. OF THE MEAN SCALED SCORE	7.2	6.2	5.9	7.2	6.4	7.7	8.1	7.6	6.7	6.1	8.0	NA[1]
MEAN NCE AND STANDARD DEVIATION	40.5/17.3	28.1/15.6	32.0/15.8	37.2/17.7	37.1/15.1	35.4/17.8	39.5/17.4	36.7/17.7	35.5/16.5	29.6/15.8	38.4/14.7	37.8/13.2
SPANISH EXCLUSIVELY N-COUNT=	0	0	0	0	0	0	0	0	0	0	0	0
MEAN RAW SCORE												
MEAN SCALED SCORE												
GROUP PR-S OF MEAN SCALED SCORE												
G.E. OF THE MEAN SCALED SCORE												
MEAN NCE AND STANDARD DEVIATION												

NA[1] This score cannot be provided for battery totals since they yield no scaled scores.

PROCESS NO. 00-002714-606

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STANFORD AC /EMENT TEST

SCHOOL PUEBLO HIGH SC... GRADE 9

SYSTEM TUCSON UNIFIED DISTR LEVEL ADVANCED FORM E

TEST DATE 04/20/87 STANFORD NORMS GR 09.8

ARIZONA PUPIL ACHIEVEMENT TESTING

ANALYSIS OF VARIABLES SCHOOL REPORT COPY 2

PRIMARY LANGUAGE	READING COMP.	VOCAB.	LISTENING COMP.	SPELLING	LANGUAGE	CONCEPTS OF NO.	MATH COMP.	MATH APP.	TOTAL LANGUAGE	TOTAL LISTENING	TOTAL MATH.	BASIC BATTERY
NAVAJO N-COUNT=	1	0	1	1	1	1	1	1	1	0	1	0
MEAN RAW SCORE	36.0		18.0	24.0	27.0	14.0	17.0	17.0	51.0		48.0	
MEAN SCALED SCORE	665.0		627.0	652.0	638.0	652.0	659.0	662.0	645.0		658.0	
GROUP PR-S OF MEAN SCALED SCORE	31-4		3-1	6-2	3-1	3-1	4-2	7-2	5-2		4-2	
G.E. OF THE MEAN SCALED SCORE	7.5		4.2	5.6	4.8	6.5	6.7	7.0	5.3		6.7	
MEAN NCE AND STANDARD DEVIATION	42.5/ 0.0		17.3/ 0.0	27.2/ 0.0	27.2/ 0.0	24.2/ 0.0	26.3/ 0.0	32.3/ 0.0	24.2/ 0.0		28.2/ 0.0	
NAVAJO EXCLUSIVELY N-COUNT=	0	0	0	0	0	0	0	0	0	0	0	0
MEAN RAW SCORE												
MEAN SCALED SCORE												
GROUP PR-S OF MEAN SCALED SCORE												
G.E. OF THE MEAN SCALED SCORE												
MEAN NCE AND STANDARD DEVIATION												
OTHER N-COUNT=	0	0	0	0	0	0	0	0	0	0	0	0
MEAN RAW SCORE												
MEAN SCALED SCORE												
GROUP PR-S OF MEAN SCALED SCORE												
G.E. OF THE MEAN SCALED SCORE												
MEAN NCE AND STANDARD DEVIATION												
OTHER EXCLUSIVELY N-COUNT=	0	0	0	0	0	0	0	0	0	0	0	0
MEAN RAW SCORE												
MEAN SCALED SCORE												
GROUP PR-S OF MEAN SCALED SCORE												
G.E. OF THE MEAN SCALED SCORE												
MEAN NCE AND STANDARD DEVIATION												
UNKNOWN N-COUNT=	16	16	16	16	17	18	20	18	16	10	13	7
MEAN RAW SCORE	25.4	19.8	23.6	24.4	29.0	14.6	17.5	15.4	52.5	43.5	46.2	163.9
MEAN SCALED SCORE	634.8	652.8	652.2	653.8	643.8	654.6	657.3	654.2	646.7	652.6	654.8	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	7-2	6-2	16-3	7-2	5-2	3-1	3-1	4-2	6-2	11-3	3-1	NA[1]
G.E. OF THE MEAN SCALED SCORE	5.2	6.0	5.9	5.7	5.1	6.6	6.6	6.6	5.5	5.9	6.6	NA[1]
MEAN NCE AND STANDARD DEVIATION	27.8/14.7	26.1/12.1	32.3/15.4	27.0/17.7	29.3/12.2	24.9/14.2	27.3/15.4	27.0/16.4	25.1/14.0	28.6/ 9.1	25.9/13.0	25.4/ 5.8
LIMITED ENGLISH PROFICIENT (LEP) IN PROGRAMS BY MODEL												
SECONDARY BILINGUAL 7-12 N-COUNT=	18	16	17	18	18	19	19	16	18	15	16	14
MEAN RAW SCORE	27.2	19.3	21.5	26.4	29.0	16.4	20.4	17.4	55.4	40.9	56.3	185.2
MEAN SCALED SCORE	639.9	650.6	643.1	664.2	644.1	663.6	671.2	663.1	652.4	647.4	669.7	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	9-2	5-2	9-2	11-3	5-2	7-2	10-2	8-2	8-2	8-2	10-2	NA[1]
G.E. OF THE MEAN SCALED SCORE	5.5	5.9	5.2	6.4	5.1	7.1	7.3	7.0	5.7	5.5	7.4	NA[1]
MEAN NCE AND STANDARD DEVIATION	30.0/16.7	25.4/18.8	26.4/17.9	31.5/23.7	29.2/17.8	29.7/15.0	32.8/17.1	32.0/18.0	28.1/20.7	25.4/18.6	33.4/14.4	30.6/16.0

NA[1] This score cannot be provided for battery totals since they yield no scaled scores.

PROCESS NO. 00-002714-606

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STANFORD AL EMENT TEST

SCHOOL PUEBLO HIGH SCH. GRADE 9

SYSTEM TUCSON UNIFIED DISTR LEVEL ADVANCED FORM E

TEST DATE 04/20/87 STANFORD NORMS GR 09.8

ARIZONA PUPIL ACHIEVEMENT TESTING

ANALYSIS OF VARIABLES SCHOOL REPORT COPY 2 PAGE 1

LIMITED ENGLISH PROFICIENT (LEP) III PROGRAMS BY MODEL	READING COMP.	VOCAB.	LISTENING COMP.	SPELLING	LANGUAGE	CONCEPTS OF NO.	MATH COMP.	MATH APP.	TOTAL LANGUAGE	TOTAL LISTENING	TOTAL MATH.	BASIC BATTERY
BILINGUAL/BICULTURAL K-12 N-COUNT=	9	8	8	9	9	9	9	8	9	8	8	7
MEAN RAW SCORE	43.6	25.9	28.6	37.9	29.2	22.3	30.9	23.6	67.1	54.5	76.1	242.4
MEAN SCALED SCORE	694.9	683.6	682.8	709.0	646.6	694.9	719.7	689.5	671.2	680.9	700.5	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	75-6	44-5	72-6	67-6	6-2	35-4	70-6	38-4	23-4	53-5	51-5	NA[1]
G.E. OF THE MEAN SCALED SCORE	10.6	8.3	9.3	10.1	5.4	9.0	11.4	8.9	7.1	8.6	9.5	NA[1]
MEAN ICE AND STANDARD DEVIATION	55.5/16.8	41.9/16.4	49.2/23.8	51.7/17.0	30.9/18.6	45.5/17.1	55.3/17.3	45.3/20.1	38.5/13.6	44.4/17.9	48.3/14.9	47.8/13.8
ENGLISH AS SECOND LANGUAGE N-COUNT=	3	1	2	3	3	3	3	1	3	1	1	1
MEAN RAW SCORE	22.3	25.0	20.5	26.0	31.0	12.7	21.3	9.0	57.0	44.0	38.0	184.0
MEAN SCALED SCORE	625.7	668.0	637.5	659.0	649.7	644.7	676.3	626.0	654.0	654.0	643.0	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	4-2	18-3	6-2	8-2	8-2	1-1	15-3	1-1	9-2	12-3	1-1	NA[1]
G.E. OF THE MEAN SCALED SCORE	4.6	7.1	4.8	6.0	5.6	6.1	7.6	5.2	5.9	6.0	6.0	NA[1]
MEAN ICE AND STANDARD DEVIATION	23.0/11.3	34.4/ 0.0	23.6/ 2.5	29.5/18.5	32.5/ 8.9	20.2/ 8.4	35.8/ 6.2	10.4/ 0.0	29.0/15.5	29.9/ 0.0	20.4/ 0.0	30.7/ 0.0
INDIVIDUAL EDUCATION PROG. N-COUNT=	2	2	2	2	2	2	2	2	2	2	2	2
MEAN RAW SCORE	34.0	21.0	27.0	28.5	38.0	23.0	28.5	28.0	66.5	48.0	79.5	220.0
MEAN SCALED SCORE	659.5	659.0	667.0	668.0	670.0	699.5	705.0	708.0	669.0	661.0	704.0	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	26-4	9-2	40-5	11-3	28-4	42-5	50-5	62-6	21-3	21-3	55-5	NA[1]
G.E. OF THE MEAN SCALED SCORE	7.0	6.5	7.4	6.6	7.4	9.4	9.8	10.5	6.9	6.8	9.8	NA[1]
MEAN ICE AND STANDARD DEVIATION	40.2/ 7.1	29.9/ 6.4	41.6/ 8.2	34.4/16.1	42.4/ 4.0	47.7/18.8	49.5/ 9.8	55.7/ 3.5	37.6/10.8	35.1/ 0.0	50.3/ 7.9	41.1/ 7.9
RACIAL/ETHNIC BACKGROUND												
WHITE (NOT HISPANIC) N-COUNT=	58	54	48	58	58	59	58	52	58	46	50	43
MEAN RAW SCORE	47.4	27.1	27.4	32.8	39.5	22.0	27.2	24.2	72.3	55.4	75.7	245.3
MEAN SCALED SCORE	690.7	692.2	671.5	687.9	678.1	697.2	701.5	694.1	681.8	683.7	697.2	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	74-6	65-6	49-5	27-4	38-4	51-4	59-4	37-4	36-4	63-6	40-5	NA[1]
G.E. OF THE MEAN SCALED SCORE	10.1	9.0	7.9	8.2	8.4	9.2	9.5	9.3	8.1	9.0	9.2	NA[1]
MEAN ICE AND STANDARD DEVIATION	53.5/17.7	45.9/17.9	43.8/16.2	42.4/20.4	46.1/17.4	45.9/21.2	47.1/17.2	47.5/20.2	43.8/18.4	46.2/16.5	46.8/16.3	48.1/15.6
BLACK (NOT HISPANIC) N-COUNT=	11	7	8	11	11	11	11	9	11	6	9	5
MEAN RAW SCORE	34.0	24.3	24.5	29.2	35.6	20.3	25.2	21.1	64.8	48.0	66.6	220.2
MEAN SCALED SCORE	660.1	674.6	657.6	679.3	665.7	684.9	692.3	679.3	670.5	664.2	685.8	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	26-4	27-4	24-4	22-3	22-3	24-4	33-4	24-4	22-3	23-4	29-4	NA[1]
G.E. OF THE MEAN SCALED SCORE	7.0	7.6	6.5	7.4	7.0	8.3	8.7	8.1	7.1	6.8	8.4	NA[1]
MEAN ICE AND STANDARD DEVIATION	39.5/16.9	37.7/14.1	35.5/18.7	38.0/27.1	40.4/15.9	40.9/14.8	42.9/17.5	40.9/14.5	37.6/21.7	35.4/15.6	41.5/14.6	38.2/12.1
HISPANIC N-COUNT=	341	320	306	341	341	340	345	291	341	294	281	256
MEAN RAW SCORE	34.0	22.6	24.7	32.2	35.2	18.7	23.4	19.8	67.5	47.6	63.1	217.4
MEAN SCALED SCORE	668.2	666.8	657.9	684.9	663.5	676.4	684.7	673.8	672.4	662.8	680.7	NA[1]
GROUP PR-S OF MEAN SCALED SCORE	31-4	14-3	16-3	23-4	17-3	4-2	14-3	11-3	18-3	15-3	16-3	NA[1]
G.E. OF THE MEAN SCALED SCORE	7.7	7.0	6.5	7.9	6.8	7.7	8.2	7.8	7.2	6.8	8.1	NA[1]
MEAN ICE AND STANDARD DEVIATION	43.5/16.7	33.6/15.4	35.6/16.0	41.3/17.7	39.1/14.9	36.0/18.8	39.3/18.2	37.5/18.1	38.9/16.0	34.2/15.1	38.8/15.7	39.6/13.2

NA[1] This score cannot be provided for battery totals since they yield no scaled scores.

PROCESS NO. 00-002714-606

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